

CHRYSANTHEMUM PLANT NAMED 'GEDI TWO YLBUR'

LATIN NAME OF THE GENUS AND SPECIES

Chrysanthemum morifolium

VARIETY DENOMINATION

'GEDI TWO YLBUR'

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of garden-type Chrysanthemum plant, herein after referred to by the cultivar name 'GEDI TWO YLBUR.' The new cultivar is a product of hybridization of a female parent Chrysanthemum plant variety 'Dark Veria' (U.S. Plant Patent No. 10,215) and a male parent Chrysanthemum plant variety 'GEDI TWO YLNOV' (U.S. Plant Patent Application Serial Number 10/137,792). The new cultivar was discovered and selected by Dirk Pieters in Oostnieuwkerke, Belgium, in September, 1999.

Asexual reproduction of the new cultivar by vegetative cuttings and tissue culture was performed in Staden, Belgium and in Oxnard, California, and has shown that the unique features of this cultivar are stable and reproduced true to type on successive generations.

SUMMARY OF THE INVENTION

The cultivar 'GEDI TWO YLBUR' has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, daylength, and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'GEDI TWO YLBUR.' These characteristics in combination distinguish 'GEDI TWO YLBUR' as a new and distinct Chrysanthemum cultivar:

1. Soft yellow daisy type inflorescence.
2. Naturally blooms in the middle of September.
3. Plant habit of the new variety is exceptional in its round nature.
4. The plant of the new variety has an extremely flexible habit.

Plants of the new cultivar are similar to plants of the female parent variety, 'Dark Veria' in most horticultural characteristics, however plants of the new cultivar have a larger diameter inflorescence than plants of the female parent variety. Further, the new variety blooms two weeks later than seed parent. Additionally, the new variety is a daisy-type chrysanthemum, while the seed parent 'Dark Veria' is a decorative-type chrysanthemum.

Plants of the new cultivar are similar to plants of the male parent variety, 'GEDI TWO YLNOV' in most horticultural characteristics, however plants of the new cultivar have a daisy-type inflorescence while the male parent 'GEDI TWO YLNOV' has a decorative-type inflorescence. Additionally, the new variety naturally blooms two weeks later than plants of 'GEDI TWO YLNOV.' Further, the new variety has a more flexible plant habit than the male parent variety.

The new cultivar is similar to the commercial variety 'GEDI YT8' (U.S. Plant Patent No. 11,725). In comparison to 'GEDI YT8', the new cultivar 'GEDI TWO YLBUR' has a sturdier, longer lasting inflorescence which is smaller in diameter. Additionally, the new cultivar is taller and naturally blooms about 2 weeks earlier than 'GEDI YT8.'

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The photograph shows a plant of 'GEDI TWO YLBUR.' One cutting was planted in a two-gallon container in May. The plant was grown outdoors in Oxnard, CA.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to the Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 120 day old plants grown in Oxnard, California, during the month of September. Light conditions were bright, and no artificial shading was used. The humidity was low and no rainfall occurred. The growing temperature ranged from approximately 15°C to 21°C at night, and from approximately 19°C to 32°C during the day. Measurements and numerical values represent averages of typical flowering types.

Botanical classification: *Chrysanthemum morifolium* cultivar 'GEDI TWO YLBUR'

Commercial classification: Garden-type Chrysanthemum

PROPAGATION

Time to Rooting: Approximately 7 to 14 days at approximately 21°C

Root Description: Fine, fibrous

PLANT

Growth Habit: Mounding herbaceous perennial

Height: Approximately 24 cm

Plant Spread: Approximately 41 cm

Growth Rate: Moderate

Branching Characteristics: Free branching

Length of Lateral Branches: Approximately 24.5 cm

Number of Leaves per Lateral Branch: Approximately 103

Age of Plant Described: Approximately 120 days

FOLIAGE

Leaf :

Arrangement: Alternate

Average length: Approximately 3.3 cm

Average width: Approximately 2 cm

Shape of blade: Ovate

Apex: Cuspidate

Base: Attenuate

Attachment: Stalked

Margin: Palmately lobed

Texture of top surface: Lightly pubescent

Texture of bottom surface: Lightly pubescent

Color:

young foliage upper side: Near Green 139A

young foliage under side: Near Yellow-green 147A

mature foliage upper side: Near Green 139A

mature foliage under side: Near Yellow-green 147A

venation upper side: Near Yellow-green 147C

venation under side: Near Yellow-green 147B

Venation type: Net

Petiole:

Average Length: Approximately 1.3 cm

Color: Near Green 139A

Diameter: Approximately 2 mm

Internode Length: Approximately 1.5 cm

BLOOM

Inflorescence:

Flowering habit: induced by darkness period greater than approximately 13.5 hours,
approximately 45 days of appropriate day length required to induce and develop
blooms

Inflorescence form: Daisy

Disk diameter: Approximately 1.5 cm

Flower fragrance: Not present

Natural flowering season: Natural flowering begins between September 15 and
September 22 in Southern California

Number of inflorescences per lateral branch: Approximately 48

Inflorescence diameter: Approximately 3.2 cm

Inflorescence depth: Approximately 1 cm

Inflorescence longevity on plant: Approximately 25 days

Persistence: Persistent

Ray Florets:

Appearance: Matte

Texture: Smooth

Average Number per flower: Approximately 27

Shape: Oblong

Aspect: Ridged

Margin: Entire

Apex: Retuse

Length: Approximately 1.4 cm

Width: Approximately 0.5 cm

Color:

upper surface at first opening: Near Green-yellow 1A

upper surface at maturity: Near Yellow 4B

upper surface at fading: Near Yellow 4C

under surface at first opening: Near Yellow 2B

under surface at maturity: Near Yellow 4C

under surface at fading: Near Yellow 4C

Disc florets:

Apperance: Matte

Texture: Smooth

Average number per flower: Approximately 156

Shape: Cylindric

Apex: obtuse

Average length: Approximately 0.7 cm

Average width: Approximately 1.5 mm

Color:

At first opening: Near Yellow-green 151B

At maturity: Near Yellow 13A

At fading: Near Yellow 12A

Peduncle:

Length:

at terminal end (shortest): Approximately 5.4 cm

at lateral end (longest): Approximately 7.5 cm

Angle to stem: Acute

Strength: Moderate

Color: Near Yellow-green 146A

Habit: Upright

Diameter: Approximately 1.5 mm

Texture: Lightly pubescent

Inflorescence bud:

Length: Approximately 4 mm

Diameter: Approximately 6 mm

Form: Globular

Color: Near Yellow-green 144A

Phyllaries (Involucral bracts):

Appearance: Matte

Texture: Lightly pubescent

Number: Approximately 29

Shape: Oblanceolate

Margin: Entire

Apex: Acute

Length: Approximately 6 mm

Width: Approximately 3 mm

Color:

upper side: Near Green 141A

under side: Near Green 141A

REPRODUCTIVE ORGANS

Ray Florets:

Number of pistils per flower: 1

Stigma shape: 2 branched

Stigma color: Near Yellow 2B

Style color: Near Yellow-green 154D

Style length: Approximately 4 mm

Stamens: Absent

Disc Florets:

Number of pistils per flower: 1

Stigma Shape: 2 branched

Stigma color: Near Yellow 2B

Style length: Approximately 4 mm

Style color: Near Yellow-green 154D

Number of stamens per flower: 5

Anther shape: Tubular

Anther color: Near Yellow 12A

Pollen color: No pollen detected

OTHER CHARACTERISTICS

Seed Production:

Commercially, this plant is not used or observed in a stage wherein seeds would be produced. Therefore, seed production has not been observed.

Disease Resistance: Neither resistance nor susceptibility has been observed.

Drought Tolerance and Cold Tolerance: Neither resistance nor susceptibility has been observed.